AGRICULTURAL CHEMICALS INDEX of ARTICLES 1951

Articles are cross-indexed by listing the principal word of the title as well as the proper name of the article. Index by authors' names is also included.

Month Page

— A —

A.A.E.E., Eastern Branch, Meets ..... Dec. 44
A.A.E.E. Meets in Denver ..... Jan. 51
Agricultural Chemicals ..... May 49
Agricultural Chemicals for 1952 ..... Dec 30
Agricultural Control Officials Meet ..... Nov. 41
Agricultural Dust Hazards ..... Dec. 34
Agricultural Research in Atomic Age ..... July 35
Agricultural Revolution in Israel ..... March 38
Airplane for Application of Insecticides and Fertilizer ..... Apr. 41
Allethrin, Pyrethrum Supply Studies ..... Apr. 82C
American Chemical Society Meets in New York & Washington ..... Oct. 53
Ammonia Solutions, Safe Handling of ..... Nov. 46
American Plant Food Council Meets at Hot Springs ..... July 49
Application Hazards, Insecticide ..... Mar. 53

— B —

"Bees" Struggle ..... Apr. 48
BHC-DDT Dust Preparation ..... Mar. 59
BHC, Taint-Free Use of ..... Dec. 31
Brazil, Pest Control in ..... Sept. 50
Brush Controls, Chemical ..... Aug. 34

— C —

California Fertilizer Association Meets ..... Dec. 51
California Weed Conference, Fresno ..... Feb. 110
Chemical Brush Control ..... Aug. 34
Chemical Herbicides, The Story of ..... May 45
Chemical Weed Killer, Herbicide I ..... Sept. 53
Chemicals, Agricultural ..... May 49
Chemicals for Control of Fruit Diseases ..... Mar. 35
Chemicals in Eradication of Potato Wart ..... Dec. 65
Control Problems, Pesticide ..... Feb. 44
Convention, American Chemical Society ..... Oct. 53
Convention, Agricultural Control Officials ..... Nov. 41
Convention, American Plant Food Council ..... July 49
Convention, California Fertilizer Association ..... Dec. 51
Convention, California Weed Control ..... Feb. 110
Convention, Eastern Branch, A.A.E.E. ..... Dec. 44
Convention, Fertilizer Safety, ... Nov. 38
Convention, Louisiana Insect Control, ... Feb. 59
Convention, Midwest Shade Tree, ... Mar. 57
Convention, Midwest Soil Improvement, ... Mar. 89
Convention, National Agricultural Chemicals Association, ... Oct. 31
Convention, National Agricultural Chemicals Association, in Fla. ..... May 38
Convention, National Fertilizer Association, ... July 42
Convention, New York State Insecticide & Fertilizer, Dec. 49
Convention, Northwest Aerial Applicators ..... Dec. 83
Convention, Northwest Fertilizer, ... Aug. 75
Convention, Pacific Coast Branch, A.A.E.E. ..... Aug. 45
Convention, Pesticide, In Washington ..... Sept. 75
Convention, National Fertilizer Association, Southern Dec. 36
Corn, Potential User of Fertilizer ..... Aug. 42
Cornborer, Weevils, Reported Abundant ..... July 73
Cotton Entomologists Discuss 1951 Problems ..... Jan. 63
Cotton Insecticide Recommendations, 1951 ..... Jan. 39
Cotton Insects ..... Aug. 49
Cuba, Pesticides in ..... July 53

— D —

Delaney Committee, Fertilizer Testimony before ..... Jan. 57
Delaney Committee Hearings are Resumed ..... May 66A
Delaney Editorial ..... Aug. 30
DDT-BHC Dust Preparation ..... Mar. 59
Diseases, Chemicals for Control of Fruit ..... Mar. 35
Downy Mildew, Fungicides for Control of ..... Jan. 61
Dust Hazards, Agricultural ..... Dec. 34

— E —

Entomologists, Cotton, Discuss 1951 Problems ..... Jan. 63
Entomologists Meet in Denver ..... Jan. 51
Entomologists-Pathologists as Control Team ..... Apr. 55
Environmental Health Aspects of Pesticides ..... Feb. 30

— F —

Fertilizer and Pesticide Combinations ..... Apr. 36
Fertilizer and Pesticide Papers ..... Sept. 46
Fertilizer Convention, Northwest ..... Aug. 75
Fertilizer Consumption Report, 1949-50 ..... June 31
Fertilizer Controls, State (Part I) ..... Nov. 29
Fertilizer Controls, State (Part II) ..... Dec. 46
Fertilizer, Corn as a Potential User of ..... Aug. 42
Fertilizer Industry in 1952 ..... July 57
Fertilizer Industry, Looking Ahead with the ..... Dec. 55
Fertilizer Joint Committee in Meeting ..... Jan. 47
Fertilizer, More Nitrogen, More Solid ..... Oct. 45
Fertilizer Plant, V-C Opens New ..... Dec. 40
Fertilizer, Potential Sales in Grassland for ..... Oct. 37
Fertilizer Plant, New ..... May 46
Fertilizer Prices, Relationship of Nitrogen and ..... Feb. 47
Fertilizer Prices, Relationship of Nitrogen and ..... Mar. 49
Fertilizer Production ..... Aug. 31
Fertilizer Raw Materials a Must ..... May 34
Fertilizer Safety ..... July 34
Fertilizer Safety Meeting in Chicago ..... Nov. 38
Fertilizer Testimony before Delaney Committee ..... Jan. 57
Fertilizer Tour, National Fertilizer Association ..... Oct. 46
Fertilizer and Pesticides, Airplane for the Application of ..... Apr. 41
Fertilizers, Granulation of ..... Jan. 34
Fertilizers, Placement of Liquid and Dry ..... Apr. 53
Fertilization of Pastures ..... Jan. 30
Field Notes on IPC Herbicides ..... Feb. 34
Food, Health and Insecticides ..... Feb. 38
Fruit Diseases, Chemicals for Control of ..... Mar. 35
Fungicidal Treatment of Pines ..... Aug. 47
Fungicide-Insecticide Application ..... Sept. 57
Fungicide Report ..... Feb. 61
Fungicide Tests Reported, 1949, '50 ..... Mar. 63
Fungicide Tests Show Good Results ..... May 59
Fungicide Tests Show Good Results ..... Oct. 63
Fungicides For Control of Downy Mildew ..... Jan. 61
Fungicides for Control of Mildew ..... July 69
Fungicides for Emergency Use ..... No. 65
Fungicides, Past and Present ..... Feb. 41

HUDSON
MULTI-WALL SACKS

PASTED AND SEWN—VALVE AND OPEN MOUTH

MEASURE UP TO YOUR MOST EXACTING SPECIFICATIONS

Hudson is able to deliver multi-wall sacks that live up to the letter of your specifications...*every time*. Here are the reasons:

1 Hudson has control over all the basic ingredients. Every step in manufacture—from the timber reserves to the finished sack—is under one ownership and management.

2 The Hudson mill is new. Here the most modern equipment that can be built turns out your sacks under regulated temperature and humidity. Electronic controls give a new meaning to the word "exact."

3 Tests, inspections, and double checks follow your sacks through the mill, with a relentless vigil.

4 Hudson is a veteran of 30 years of experience in the kraft field. The company understands your problems in packaging and knows why your specifications are *important*.

Order from Hudson, and be sure of sacks *when* you want them —the *way* you want them!

This young lady is making one of a series of detailed inspections that follow your multi-wall sack through the Hudson mill. It is just one of the assurances that every sack shipped to you is up to specifications.

Send today for informative literature on Hudson Multi-Wall Sacks. Just drop us a note.

a completely integrated mill

HUDSON PULP AND PAPER CORPORATION

Dept. 142, 505 Park Avenue, New York 22, N.Y.

— G —

General Insect Situation ..... Oct. 61
Granulation of Fertilizers ..... Jan. 34
Grassland Potential User of Fertilizers ..... Oct. 37

— H —

Hazards, Toxicity ..... May 35
Hazards, Toxicity (Part II) ..... June 51
Herbicide Damage to Shade Trees ..... Mar. 42
Herbicide 1, New Chemical Weed Killer ..... Sept. 53
Herbicides, Field Notes on IPC ..... Feb. 34
Herbicides, TCA ..... June 48
Herbicides, The Story of Chemical ..... May 45

— I —

Industry Able and Eager to Produce ..... May 57
Insect Activity Slows Down for Winter ..... Dec. 71
Insect Control Conference, Louisiana ..... Feb. 59
Insect Control on Many Fronts ..... June 67
Insect Control, Tobacco ..... Apr. 59
Insect Infestations Getting Under Way ..... May 63
Insect Pests, Observations on Some Major ..... Feb. 63
Insect Report ..... Mar. 61
Insect Situation ..... Sept. 61
Insect Situation, General ..... Oct. 61
Insect Situation ..... Nov. 67
Insecticide Application Hazards ..... Mar. 63
Insecticide Formulation ..... Nov. 36
Insecticide Industry, Problems Facing the ..... Oct 42
Insecticides ..... Mar. 32
Insecticides, Food, Health and ..... Feb. 38
Insects, Cotton ..... Aug. 49
IPC Herbicides, Field Notes on ..... Feb. 34
Israel, Agricultural Revolution in ..... Mar. 38

— L —

Legislation, Shackling Research Through ..... Sept. 34
Louisiana Insect Control Conference ..... Feb. 59

— M —

Methoxychlor ..... July 39
Midwest Shade Tree Conference ..... Mar. 57

— N —

National Fertilizer Association Meets ..... July 42
National Agricultural Chemicals Association Meets ..... Oct. 31
National Agricultural Chemicals Association Meets in Fla. ..... May 38
National Fertilizer Association Meets in Atlanta ..... Dec. 36
National Fertilizer Association Tour ..... Oct. 46
Nitric Acid Treatment of Phosphate Rock ..... Sept. 42
Nitrogen and Fertilizer Prices, Relation of (Part I) ..... Feb. 47
Nitrogen and Fertilizer Prices, Relationship of (Part II) ..... Mar. 49
Nitrogen, More, More Solid Fertilizer ..... Oct. 45
Northcentral Weed Control Conference Meets ..... Jan. 42
Northeastern Weed Control Conference Meets ..... Jan. 70A
Northwest Fertilizer Conference ..... Aug. 75

— O —

Observations on Some Major Insect Pests ..... Feb. 63

— P —

Pacific Coast Branch, A.A.E.E. Meets ..... Aug. 45
Pastures, Fertilization of ..... Jan. 30
Pest Control Course Held In Alabama ..... Mar. 108
Pest Control in Brazil ..... Sept. 50
Pest Control Programs for Canners ..... Apr. 44
Pesticide & Fertilizer Combinations ..... Apr. 36
Pesticide and Fertilizer Papers ..... Sept. 46
Pesticide Consumption Report, World (Part I) ..... Feb. 53
Pesticide Consumption Report, World (Part II) ..... Mar. 44
Pesticide Control Problems ..... Feb. 44
Pesticide Convention in Washington ..... Sept. 75
Pesticide Development Based on Research ..... Oct. 49
Pesticide Industry ..... Sept. 39
Pesticide Lack Means Inadequate Food Supply ..... June 38
Pesticide Laws ..... June 43
Pesticide Laws ..... Aug. 37
Pesticide Laws Ample ..... June 55
Pesticide Research Basis For Progress ..... Nov. 33
Pesticide Story ..... Jan. 31
Pesticides, Careful use of, to Offset Shortage ..... Apr. 33
Pesticides, Environmental Health Aspects of ..... Feb. 30
Pesticides Increase Crop Yields ..... July 46
Pesticides in Cuba ..... July 53
Pesticides, Need for Continued Research on ..... June 30
Phosphate Rock, Treatment with Nitric Acid ..... Sept. 42
Placement of Liquid and Dry Fertilizers ..... Apr. 53
Plant Pathologists-Entomologists as Control Team ..... Apr. 55
Plant Pathologists, A Visit with Europe's ..... Jan. 55
Potato Wart, Eradication of, With Chemicals ..... Dec. 65
Problems Facing Insecticide Industry ..... Oct. 42
Pyrethrum, Allethrin Supply Studied ..... Apr. 82C

— R —

Research Basis for Pesticide Development ..... Oct. 49
Research in Atomic Age, Agricultural ..... July 35
Rodenticides, Reviewing a Year of Warfarin ..... Oct. 39
Rohwer, S. A., Dies ..... Feb.

— S —

Safe Handling of Ammonia Solutions ..... Nov. 46
Shackling Research through Legislation ..... Sept. 34
Shade Trees, Herbicide Damage to ..... Mar. 42
State Fertilizer Controls (Part I) ..... Nov. 29
State Fertilizer Controls (Part II) ..... Dec. 46
Sulfur Needs Slighted ..... Mar. 81
Sulfur-Saving Project Launched by U.S.D.A. ..... July 67
Sulfur Shortage Due to High Export Rate ..... July 61
Sulfur Situation ..... Apr. 51
Systemic Insecticides ..... Jan. 67
Systox (E-1059) ..... June 63
Systox as Systemic Insecticide ..... Jan. 67

— T —

Taint-Free Use of BHC ..... Dec. 31
TCA Herbicides ..... June 48
Tobacco Insect Control ..... Apr. 59
Toxicity Hazards (Part I) ..... May 35
Toxicity Hazards (Part II) ..... June 51
2,4-D and 2,4,5-T in Northcentral States, Use of ..... Apr. 39
V-C Opens New Fertilizer Plant in Cincinnati ..... Dec. 40

— W —

Warfarin Rodenticides, Reviewing a Year of ..... Oct. 39
Weed Control Conference, California ..... Feb. 110
Weed Research Committe Reports ..... Feb. 67
Weevils, Corn Borer, Reported Abundant ..... July 73
World Pesticide Consumption Report ..... Feb. 53
World Pesticide Consumption Report ..... Mar. 44

AUTHORS

1951

— A —

	Month	Page
Allen, W. W.; Story of Chemical Herbicides	May	53
Arrington, Laura G.; World Pesticide Consumption Report Part I	Feb.	53
Part II	Mar.	44

— B —

Barrons, Keith C. and *Richard W. Hummer*; TCA Herbicides	June	48

BOLL WEEVIL TIME

Order Your Stock of COTTON POISONS *Now!*

Get ready early for the season in cotton sprays and dusts. Our country needs a big crop this year. Your customers will want full supplies of poisons for the bugs, worms, thrips and spiders that infest this vital crop.

So order these dependable Thompson-Hayward insecticides ***now:***

Phenacide Dust No. 20	Cotton Dust 3-10-40
Phenacide WE-60	Cotton Dust 3-5-0
Cotton Spray 4-2-0	Cotton Dust 3-5-40
Ded-Tox WE-25	Cotton Spray 3-5-0
Cotton Dust 3-4-10	Cotton Dust 20-40

Priced for excellent profit and fast turnover. Get ahead of peak rush. ACT TODAY!

Another THOMPSON-HAYWARD Product

THOMPSON-HAYWARD
CHEMICAL COMPANY

KANSAS CITY, MISSOURI • NEW ORLEANS, LOUISIANA
Minneapolis • Oklahoma City • N. Little Rock • San Antonio
Des Moines • Davenport • St. Louis • Houston • Dallas • Wichita
Memphis • Chicago • Omaha • Denver • Tulsa

Bailey, Stanley F. and *Leslie M. Smith*; Toxicity Hazards, Part I ..... May 35
Part II ..... June 51
Bennett, G. A. and *A. L. Mehring*; Relationship of Nitrogen and Fertilizer Prices, Part I ..... Feb. 47
Part II ..... Mar. 51
Bishopp, Dr. F. C.; Food, Health and Insecticides ..... Feb. 38
Bishopp, Dr. F. C.; Pesticides Increase Crop Yields ..... July 46
Brannan, Hon. C. F.; Fertilizer Production ..... Aug. 31

— C —

Campbell, Roy E.; Careful Use of Pesticides to Offset Shortages ..... Apr. 33
Chisholm, Robert D.; Insecticide Formulation ..... Nov. 36
Clark, E. D. and *J. O. Hardesty*; Granulation of Fertilizers ..... Jan. 34
Clark, K. G. and *J. O. Hardesty*; Nitric Acid Treatment of Phosphate Rock ..... Sept. 42
Coleman, Dr. Russell; Fertilizer Raw Materials a Must ..... May 34
Conner, John D.; State Fertilizer Controls, Part I ..... Nov. 29
Part II ..... Dec. 46
Coon, Dr. Julius M.; Insecticide Application Hazards ..... Mar. 53
Coulter, L. L.; Chemical Brush Control ..... Aug. 34

— D —

Decker, George C.; Pesticide Lack Means Inadequate Food Supply ..... June 38
Dimond, Dr. A. E.; Agricultural Research in the Atomic Age ..... July 35
Dorward, Kelvin; Cotton Insect Control ..... Aug. 49
The Insect Situation ..... Sep. 61
General Insect Situation ..... Oct. 61
Status of Several Insects ..... Nov. 67
Insect Activities Slow For Winter ..... Dec. 71
Dunegan, John C.; Chemicals for Control of Fruit Diseases ..... Mar. 35

— E —

Evans, Gordon R. and *Kenneth K. Krausche* and *Murray Zakheim*; BHC-DDT Dust Preparations ..... Mar. 59
Evans, R. B.; Agricultural Dust Hazards ..... Dec. 34

— F —

Finn, T. P.; Herbicide I, New Chemical Weed Killer ..... Sep. 53

— G —

Groggins, P. H.; Research Basis for Pesticide Development ..... Oct. 49

— H —

Haeussler, Gilbert J.; Cotton Entomologists Discuss 1951 Problems ..... Jan. 63
Observations on Some Major Insect Pests ..... Feb. 63
Insect Report ..... Mar. 61
Tobacco Insect Control Suggestions ..... Apr. 59
Insect Infestations Getting Under Way ..... May 63
Insect Control on Many Fronts June 67
Weevils, Corn Borer Reported Abundant ..... July 73
Haller, Dr. H. L.; Problems Facing Insecticide Industry ..... Oct. 42
Hardesty, J. O. and *E. D. Clark*, Granulation of Fertilizers ..... Jan. 34
Hardesty, John O. and *K. G. Clark*; Nitric Acid Treatment of Phosphate Rock ..... Sep. 42
Hart, Ernest; Industry Able and Eager to Produce ..... May 57
Pesticide Industry ..... Sep. 39
Hitchner, Lea S.; Shackling Research Through Legislation ..... Sep. 34
Holmes, E.; Taint-Free Use of BHC ..... Dec. 31
Hoyt, Avery S.; Need for Continued Research for Pesticides ..... June 30
Hudson, Wayne D.; Pesticide Laws .....
Hummer, Richard W. and *Keith C. Barrons*; TCA Herbicides ..... June 48

— K —

Krausche, Kenneth K., and *G. R. Evans* and *Murray Zakheim*; BHC-DDT Dust Preparation ..... Mar. 59
Krister, C. J.; Methoxychlor ..... July 39
Krueger, H. R.; Safe Handling of Ammonia Solutions Nov. 46

— L —

Leppik, Dr. E. E.; Bees' Struggle ..... Apr. 48
Lorenz, O. A.; Placement of Liquid and Dry Fertilizers ..... Apr. 53

— M —

McDonnell, C. C.; Pesticide Laws ..... June 43
Mehring, A. L. and *G. A. Bennett*; Relationships of Nitrogen Fertilizer Prices Part I ..... Feb. 47
Part II ..... Mar. 49
Miller, Paul R.; Fungicides for Control of Downy Mildew ..... Jan. 61
Fungicide Report ..... Feb. 61
Fungicide Tests Reported, 1949 & '50 ..... Mar. 63
Entomologists-Plant Pathologists as Control Team ..... Apr. 55
Fungicidal Treatment of Pines ..... Aug. 47
Fungicide Tests Show Good Results ..... May 59
Report on "Systox" (E-1059) ..... June 63
Fungicides for Control of Mildew ..... July 69
New Fungicide-Insecticide Application ..... Sep. 57
Fungicide Tests Show Good Results ..... Oct. 63
Fungicides for Use in Emergencies ..... Nov. 65
Fungicides for Control of Potato Wart ..... Dec. 65
Minor, W. A.; More Nitrogen, More Solid Fertilizers Oct. 45
Mohr, A. W.; Agricultural Chemicals for 1952 ..... Dec. 30

— O —

O'Brien, Muriel J.; Visit with Europe's Plant Pathologists ..... Jan. 55

— P —

Palm, Dr. Charles E.; Pest Control Program for Canners .....
Peterson, Dr. P. D.; Fungicides, Past and Present ..... Feb. 41
Princi, Dr. Frank; Environmental Health Aspects of Pesticides ..... Feb. 30

— R —

Rohwer, S. A.; The Pesticide Story ..... Jan. 31
Ross, Ward; Reviewing a Year of Warfarin Rodenticides ..... Oct. 39

— S —

Salter, Dr. R. M.; Agricultural Chemicals ..... May 49
Scholl, Walter and *H. M. Wallace*; Fertilizer Consumption Report ..... June 31
Sharp, S. S.; Insecticides ..... Mar. 32
Simkover, Hal G.; Aerial Applicators Hold Meeting ..... Dec. 83
Slawson, H. H.; North Central Weed Control Conference Report ..... Jan. 42
Midwest Soil Improvement Meeting ..... Mar. 89
Smith, Leslie M. and *Stanley F. Bailey*; Toxicity Hazards Part I ..... May 35
Part II ..... June 51
Stahler, L. M.; Use of 2,4-D and 2,4,5-T in North Central States ..... Apr. 39
Stock, Ernest; Agricultural Revolution in Israel ..... Mar. 38

— T —

Taylor, Dr. John R.; Grasslands as Potential Field For Fertilizer ..... Oct 37
Taylor, George V.; Corn as a Potential User of Fertilizers ..... Aug. 42
Thompson, W. H.; Fertilization of Pastures ..... Jan. 30
Tilemans, E. M. J.; Pesticide Control Problems in Belgium ..... Feb. 44
Totman, J. E.; Fertilizer Industry in 1952 ..... July 57
Looking Ahead with Fertilizer Industry ..... Dec. 55
Truitt, Paul T.; Fertilizer Safety ..... July 34

— W —

Wallace, H. M. and *Walter Scholl*; Fertilizer Consumption Report ..... June 31
Watts, J. G.; Pesticide and Fertilizer Combinations Apr. 36
Williams, Langbourne M.; The Sulphur Situation ..... Apr. 51
Wilson, Jack R. W.; Field notes on IPC Herbicides ..... Feb. 34
Woods, J. Albert; Pesticide Research Basis for Progress ..... Nov. 33

— Z —

Zakheim, Murray, Kenneth K. Krausche and *Gordon R. Evans*; BHC-DDT Dust Preparation ..... Mar. 59